

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3 (canceled)

4. (currently amended) A magnetic recording and reading device having a data transfer rate of more than 50 MB/s and a recording density of more than 5 Gb/in², which comprises~~comprising~~:

a magnetic recording medium having a substrate and a magnetic layer formed on the substrate;

a magnetic head comprising a recording head having a magnetic core ~~having~~ with a magnetic core length l_1 of not more than 35 μm and having a resistivity of more than 50 $\mu\Omega\text{cm}$, and a reading head provided with a read element having a track width of not more than 0.9 μm ; and
a R/W-IC;

wherein the magnetic layer contains (1) at least one metal element selected from a first group consisting of Co, Fe and Ni as a primary component, (2) at least two elements selected from a second group consisting of Cr, Mo, W, V, Nb, Ta, Ti, Zr, Hf, Pd, Pt, Rh, Ir and Si, and (3) at least one element selected from a third group consisting of La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Td, Dy, Ho, Er, Tm, Yb, Lu, Bi, Sb, Pb, Sn, Ge and B, said at least one element selected from the third group being in an amount of 0.1 to 15 atomic %.

Claim 5 (canceled)

6. (previously presented) A magnetic recording and reading device according to claim 4, wherein the R/W-IC has a line width of not more than 0.35 μm .

7. (currently amended) A magnetic recording and reading device according to claim-4 10, wherein the recording head has a magnetic pole length l_2 of not more than 50 μm .

8. (previously presented) A magnetic recording and reading device according to claim 4, wherein the magnetic layer contains amorphous material.

9. (currently amended) A magnetic recording and reading device according to claim 4, wherein the magnetic recording medium further ~~comprising~~ comprises a non-magnetic intermediate layer containing at least one element selected from the group consisting of Ru, Pt, Cr, Mo, W, V, Nb, Ta, Zr, Hf, Ti, Ge, Si, Co, Ni, C and B.

10. (new) A magnetic recording and reading device according to claim 4, wherein said magnetic recording medium has a perpendicular anisotropy magnetic recording layer.

11. (new) A magnetic recording and reading device according to claim 4, wherein said perpendicular anisotropy magnetic recording layer has a granular structure.

12. (new) A magnetic recording and reading device according to claim 4, wherein said magnetic recording medium is a magnetic disk which is rotatable at a speed in a range of more than 10,000 rpm.

13. (new) A magnetic recording and reading device according to claim 4, wherein a magnetic pole of said magnetic core is composed of any one material selected from the group consisting of a NiFe-base alloy and an amorphous alloy, said NiFe-base alloy including 42Ni-57Fe-1Cr, 46Ni-52Fe-2Cr, 43Ni-56Fe-1Mo, 51Ni-47Fe-2S and 54Ni-43Fe-3P, and said amorphous alloy includes CoTaZr and CoNbZr.